

FRIEDMAN & BRUYA, INC.**ENVIRONMENTAL CHEMISTS**

Date of Report: November 1, 1991
Date Submitted: October 28, 1991
Project: 7201, METRO Self Monitor, PO# M22109

**RESULTS OF ANALYSES OF THE WATER SAMPLE
FOR SELECTED METALS BY ICP (6010)
Results Reported as mg/L (ppm)**

<u>Sample #</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M22109	0.53	0.19	0.29	0.09

Quality Assurance

Method Blank	<0.02	<0.02	<0.02	<0.02
--------------	-------	-------	-------	-------

M22109 (Duplicate)	0.52	0.19	0.31	0.09
--------------------	------	------	------	------

M22109

(Matrix Spike)

Percent Recovery	99%	86%	90%	106%
------------------	-----	-----	-----	------

M22109

(Matrix Spike Duplicate)

Percent Recovery	106%	93%	97%	113%
------------------	------	-----	-----	------

Spike Blank

Percent Recovery	103%	97%	94%	107%
------------------	------	-----	-----	------

Spike Level

5	5	10	5
---	---	----	---

FRIEDMAN & BRUYA, INC.**ENVIRONMENTAL CHEMISTS**

Date of Report: November 1, 1991
Date Submitted: October 28, 1991
Project: 7201, METRO Self Monitor, PO# M22109

**RESULTS OF ANALYSES OF THE WATER SAMPLE
FOR SELECTED METALS BY ICP (6010)
Results Reported as mg/L (ppm)**

<u>Sample #</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M22109	0.53	0.19	0.29	0.09

Quality Assurance

Method Blank	<0.02	<0.02	<0.02	<0.02
--------------	-------	-------	-------	-------

M22109 (Duplicate)	0.52	0.19	0.31	0.09
--------------------	------	------	------	------

M22109 (Matrix Spike) Percent Recovery	99%	86%	90%	106%
--	-----	-----	-----	------

M22109 (Matrix Spike Duplicate) Percent Recovery	106%	93%	97%	113%
--	------	-----	-----	------

Spike Blank Percent Recovery	103%	97%	94%	107%
---------------------------------	------	-----	-----	------

Spike Level	5	5	10	5
-------------	---	---	----	---

FRIEDMAN & BRUYA, INC.
3008-B 16th Avenue West
Seattle, WA 98119

SAMPLE CHAIN OF CUSTODY

Send Report To:

Company Alaskan Copper Works

Contact GREGORY A. SPEER

Address P.O. Box 3546

City, State, Zip SEATTLE, WA. 98109

Phone # (206) 422-5800

Date 10/

SITE NO.

PROJECT NAME

PURCHASE ORDER #

7201

METRO SELF-MONITOR

SAMPLERS (signature)

PROJECT LOCATION

GREGORY A. SPEER

3200 6th Ave S.

REMARKS

SAMPLE DISPOSAL INFORM.

PLEASE FAX RESULTS!

- ☐ Dispose after 30 days
☒ Return Samples
☐ Call for Instructions

SAMPLE #

Date/Time
Sampled

Type of
Sample

of
Jars

Lab
Sample #

Analyses
Requested

M22100

10/28/91

WATER

1

24396

CR, CU, NI, ZN

SIGNATURE

PRINT NAME

COMPANY

Date

Time

Relinquished by:

Received by:

Relinquished by:

Received by:

GREG SPEER

A.C.W.

10/28/91

M.A. DANFORD

FRIEDMAN & BRUYA, INC.

10/28-91

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Andrew John Friedman
James E. Bruya, Ph.D.
(206) 285-8282

3008-B 16th Avenue West
Seattle, WA 98119
FAX: (206) 283-5044

November 1, 1991

Gregory A. Speer, Project Leader
Alaskan Copper
628 South Hanford
Seattle, WA 98134

Dear Mr. Speer:

Enclosed are the results of the analyses of the sample submitted on October 28, 1991 from Project 7201, METRO Self Monitor, PO# M22109.

We appreciate this opportunity to be of service to you on this project. If you have any questions regarding this material, or if you just want to discuss any aspect of your projects, please do not hesitate to contact me.

Sincerely,



Mark Z Perin, Chemist

MZP/jeb

Enclosures